JOURNAL OF SEDIMENTARY PETROLOGY

INDEX

VOLUME 51
MARCH 1981–DECEMBER 1981

EDITOR
ORRIN H. PILKEY, JR.

EDITORIAL ASSOCIATE
MARTIN WILCOX

PUBLISHED BY THE
SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS
Box 4756, Tulsa, Oklahoma 74104

A DIVISION OF
THE AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

AUTHOR INDEX TO VOLUME 51

ABRAHAMS, ATHOL D. see HIRSCH 3 757
ALEXANDERSSON, E.T. Intragranular Mg-Calcite Cement in *Halimeda* Plates from the Brazilian Continental Shelf 4 1309
ALMON, WILLIAM R. Regional Diagenetic Trends in the Lower Cretaceous Muddy Sandstone, Powder River Basin—Reply 2 681
ANDERSON, FRANZ E. A Temporal and Spatial Study of Mudflat Erosion and Deposition 3 729
ANIMA, ROBERTO J. A Diver Operated Reverse Corer to Collect Samples of Unconsolidated Coarse Sand 2 653
ARUSCAVAGE, P. J. see BOTHNER 1 281

BABA, JUMPEI Settling Velocities of Irregular Grains at Low Reynolds Numbers 1 121
BABA, JUMPEI Measurements and Analysis of Settling Velocities of Natural Quartz Sand Grains 2 631
BAILEY, ALAN Chemical and Mineralogical Differences Between Kittanning Coals from Marine-Influenced Versus Fluvial Sequences 2 383
BARKER, CHARLES E. Decontaminating and Recycling Zinc Bromide Solution Used in Sink-Float Separation of Kerogen 2 666
BASU, ABHIJIT see SUTTNER 4 1235
BENNETT, RICHARD H. Clay Fabric of Selected Submarine Sediments: Fundamental Properties and Models 1 217
BENSON, D. JOE Textural Analysis with Texas Instruments 59 Programmable Calculator 2 641
BERGER, G. W. see MULHERN 2 672
BERGER, WOLFGANG H. see WEFER 2 459
BERNER, ROBERT A. A New Geochemical classification of Sedimentary Environments 2 359
BISCAYE, P. E. see KOLLA 2 563
BLACK, LUTHER see ANDERSON 3 729
BLATT, HARVEY Editorial: Planned Obsolescence in Sedimentologic Training 2 355
BLATT, HARVEY Detrital Quartz as an Indicator of Distance from Shore in Marine Mudrocks 4 1259
BONEM, RENA M. Inexpensive, Portable Underwater Coring Device 2 654
BOTHNER, M. H. Geochemical Evidence for Modern Sediment Accumulation on the Continental Shelf off Southern New England 1 281
BOYD, DONALD W. see SCHMITT 4 1297
BOYER, BRUCE W. Tertiary Lacustrine Sediments from Sentinel Butte, North Dakota and the Sedimentary Record of Ectogenic Meromixis 2 429
BRAND, UWE Chemical Diagenesis of a Multicomponent Carbonate System—2: Stable Isotopes 3 987
BREYER, JOHN A. see VICARS 3 909
BRIDGE, JOHN S. Hydraulic Interpretation of Grain-Size Distributions Using a Physical Model for Bedload Transport 4 1109
BRYANT, WILLIAM R. see BENNETT 1 217
BURTON, ELIZABETH ANN see WANLESS 1 27
BUSCH, WILLIAM H. The Physical Properties of Peru-Chile Continental Margin Sediments—The Influence of Coastal Upwelling on Sediment Properties 3 705
BUTMAN, BRADFORD see TWICHELL 1 269
BUXTON, TIM M. Pressure Solution Features in a Shallow Buried Limestone 1 19
BYERS, CHARLES W. see DRIESE 2 367

CALDWELL, NEIL E. Relationship Between Tracers and Background Beach Material 4 1163
CARVER, ROBERT E. The New Format for Research-Methods Papers 2 641
CARVER, ROBERT E. Reducing Sand Sample Volumes by Spooning 2 658

CHAFETZ, HENRY S. Coarsening-Upward Sequences in Beach Cusp Accumulations 4 1157
CHAPMAN, RICHARD E. Calibration Equations for Settling Tubes 2 644
CHOUGH, S. K. Dispersal of Fine-Grained Sediments in the Southeastern Yellow Sea: A Steady-State Model 3 721
CLARKE, THOMAS L. see YOUNG 1 293
CLIFTON, H. EDWARD Progradational Sequences in Miocene Shoreline Deposits, Southeastern Caliente Range, California 1 165
COLEMAN, JAMES M. see WELLS 4 1053
COLEMAN, JAMES M. see WELLS 4 1069
COLLINS, M. B. see RIGLER 2 642
COSSEY, STEPHEN P. J. The Orientation of Small Muddy Clasts in Turbidites: Paleocurrent Indicators on a Jurassic Carbonate Slope, Tunisia 3 873
COSTELLO, WARREN R. Flume Experiments on Lower-Flow-Regime Bed Forms in Coarse Sand 3 849
CREVELLO, PAUL D. A Method for Impregnating Unconsolidated Cores and Slabs of Calcareous and Terrigenous Muds 2 658

DABRIO, CRISTINO J. The Coral Reef of Níjar, Messinian (Uppermost Miocene), Almería Province, S.E. Spain 2 521
DAUPHIN, J. PAUL see MUERDTER 2 647
DAVIES, DAVID K. see ALMON 2 681
DAVIES, PETER J. see MARSHALL 3 953
DAVIS, RICHARD A., JR. Sedimentation in a Permian Subglacial Channel 1 183
DEMAREST, JAMES M., II see HOYT 2 656
DEPRATTER, CHESTER B. Evidence for a Sea Level Lowstand Between 4500 and 2400 Years B.P. on the Southeast Coast of the United States 4 1287
DICKINSON, WILLIAM R. see HARBAUGH 4 1223
DIETRICH, R. V. Fungus-Bound Quasi-Sandstone 4 1133
DINGLER, JOHN R. A Dipmeter for Underwater Use 2 662
DOTT, ROBERT H., JR. Editorial: Description Versus Theory—Any Progress Since '26? 2 351
DOTT, ROBERT H., JR. See DRIESE 2 367
DOTT, ROBERT H., JR. see KOCUREK 2 579
DOTT, ROBERT H., JR. Editorial: The Challenge of Scientific Creationism 3 701
DOTT, ROBERT H., JR. Editorial: How Can We Save the Golden Goose? 4 1051
DOLAN, ROBERT Storms and Shoreline Configuration 3 737
DRAVIS, JEFF see WANLESS 1 27
DRIESE, STEVEN G. Tidal Deposition in the Basal Upper Cambrian Mt. Simon Formation in Wisconsin 2 367

EHRLICH, ROBERT see COSSEY 3 873
EHRLICH, ROBERT see KENNEDY 4 1103
ELLWOOD, BROOKS B. Magnetic Fabric Development in an Experimentally Produced Barchan Dune 1 97
ENOS, PAUL Pore Networks in Holocene Carbonate Sediments 3 961
ESLINGER, ERIC Evidence for the Formation of Illite from Smectite During Burial Metamorphism in the Belt Supergroup, Clark Fork, Idaho 1 203
ESTEBAN, MATEU see DABRIO 2 521

FARINATO, RAYMOND S. Spectrofluorometric Determination of Sand Tracer Concentrations 2 663
FRANK, JAMES R. Dedolomitization in the Taum Sauk Limestone (Upper Cambrian), Southeast Missouri 1 7
FRIEDMAN, GERALD M. see RUBIN 1 69
FRIEDMAN, GERALD M. see GARBER 2 455
FRIEDMAN, GERALD M. see KUSLANSKY 3 795
FRIEDMANN, IMRE see GOLUBIC 2 475
FUSSELL, JAY Association of Earth Science Editors Aids to Geowriting: Strike Back Against Technical Density 1 322

GALVIN, CYRIL Oscillation Ripples—Discussion 2 677
GARBER, RAYMOND A. Concentric Aragonitic Ooids from the Dead Sea 2 455
GIBBS, RONALD J. Floc Breakage By Pumps 2 670
GOLUBIC, STJEPKO The Lithobiontic Ecological Niche, With Special Reference to Microorganisms 2 475
GOODWIN, CRAIG N. The Convex Bar: Member of the Alluvial Channel Side-Bar Continuum 1 129
GORNITZ, VIVIEN M. Displacive Halite Hoppers from the Dead Sea: Some Implications for Ancient Evaporite Deposits 3 787
GORSLINE, D. S. see MALOUTA 4 1077
GOSTIN, VICTOR A. see RUST 2 441
GOSTIN, VICTOR A. see PLUMMER 4 1147
GRAUS, R. R. see PIERCE 4 1348

HAJASH, ANDREW Regional Diagenetic Trends in the Lower Cretaceous Muddy Sandstone, Powder River Basin—Discussion 2 679
HALLOCK, PAMELA Production of Carbonate Sediments by Selected Large Benthic Foraminifera on Two Pacific Coral Reefs 2 467
HANDFORD, C. ROBERTSON Coastal Sabkha and Salt Pan Deposition of the Lower Clear Fork Formation (Permian), Texas 3 761
HARBAUGH, DWIGHT W. Depositional Facies of Mississippian Clastics, Antler Foreland Basin, Central Diamond Mountains, Nevada 4 1223
HARRELL, JAMES Measurement Errors in the Thin-Section Analysis of Grain Packing 2 674
HAYDEN, BRUCE see DOLAN 3 737
HEATH, KATHRYN see MULLINS 3 999
HESP, P. A. The Formation of Shadow Dunes 1 99
HESSE, R. see OGUNYOMI 2 597
HIRSCH, PAUL J. The Properties of Bed Sediments in Pools and Riffles 3 757
HORSEY, CATHERINE A. Depositional Environments of the Pennsylvanian Pottsville Formation in the Black Warrior Basin of Alabama 3 799
HOWARD, J. HATTEN, III see ELLWOOD 1 97
HOWARD, JAMES D. see DEPRATTER 4 1287
HOYT, WILLIAM H. A Versatile Twin-Hull Barge for Shallow-Water Vibracoring ... 2 656
HUNTLEY, D. J. see MULHERN 2 672

ILYIN, A. V. Primary, Bedded, Structureless Phosphorite of the Khubsugul Basin, Mongolia 4 1215

JACKSON, ROSCOE G., II Sedimentology of Muddy Fine-Grained Channel Deposits in Meandering Streams of the American Middle West 4 1169
JAMES, W. CALVIN Relative Alteration of Microcline and Sodic Plagioclase in Semi-Arid and Humid Climates 1 151
JOHNSON, P. P. see BOTHNER 1 281
JORDAN, TERESA E. Enigmatic Deep-Water Depositional Mechanisms, Upper Part of the Oquirrh Group, Utah 3 879

KANA, TIMOTHY W. see KENNEDY 4 1103
KARASEK, R. M. see VAN HOUTEN 2 415
KELLER, GEORGE H. see BENNETT 1 217
KELLER, GEORGE H. see BUSCH 3 705
KELLER, W. D. The Sedimentology of Flint Clay 1 233
KELLEY, JOSEPH T. Size Distribution of Disaggregated Inorganic Suspended Sediment: Southern New Jersey Inner Continental Shelf 4 1097
KENNEDY, STEPHEN K. The Non-Normal Distribution of Intermittent Suspension Sediments Below Breaking Waves 4 1103
KEPPER, JOHN C. Sedimentology of a Middle Cambrian Outer Shelf Margin with Evidence for Syndepositional Faulting, Eastern California and Western Nevada 3 807
KIM, D. C. see CHOUGH 3 721

KLEIN, GEORGE deVRIES Avoiding Intellectual Obsolescence: A Discussion of Harvey Blatt's Editorial in the June 1981 Issue 4 1347
KOCUREK, GARY Distinctions and Uses of Stratification Types in the Interpretation of Eolian Sand 2 579
KOCUREK, GARY see CHAFETZ 4 1157
KOLLA, VENKATARATHNAM Distributions and Origins of Clay Minerals and Quartz in Surface Sediments of the Arabian Sea 2 563
KOMAR, PAUL D. see BABA 1 121
KOMAR, PAUL D. see BABA 2 631
KOMAR, PAUL D. see MILLER 2 678
KOMAR, PAUL D. The Applicability of the Gibbs Equation for Grain Settling Velocities to Conditions Other Than Quartz Grains in Water 4 1125
KOPP, OTTO C. An Inexpensive Means for Increasing the Magnification Range of A Luminoscope 2 667
KOSTECKI, J. A. see KOLLA 2 563
KRAUS, NICHOLAS C. see FARINATO 2 663
KREISA, RONALD D. Storm-Generated Sedimentary Structures in Subtidal Marine Facies with Examples from the Middle and Upper Ordovician of Southwestern Virginia 3 823
KUSHNIR, JACOB Formation and Early Diagenesis of Varved Evaporite Sediments in a Coastal Hypersaline Pool 4 1193
KUSLANSKY, GERALD H. Chertification of Crinoids May Yield a Product Resembling "Dedolomite" 3 795

LAMPKY, J. R. see DIETRICH 4 1133
LANE, N. GARY A Nearshore Sponge Spicule Mat from the Pennsylvanian of West-Central Indiana 1 195
LANESKY, DOUGLAS E. see CREVELLO 2 658
LARUE, D. K. The Early Proterozoic Pre-Iron-Formation Menominee Group Siliciclastic Sediments of the Southern Lake Superior Region: Evidence for Sedimentation in Platform and Basinal Settings 2 397
LeROY, SAMUEL D. Grain-Size and Moment Measures: A New Look at Karl Pearson's Ideas on Distributions 2 625

MACK, GREG H. see JAMES 1 151
MACK, GREG H. see SUTTNER 4 1235
MACK, GREG H. Composition of Modern Stream Sand in a Humid Climate Derived from a Low-Grade Metamorphic and Sedimentary Foreland Fold-Thrust Belt of North Georgia 4 1247
MALLETT, C. W. see DAVIS 1 185
MALOUTA, D. N. Processes and Rates of Recent (Holocene) Basin Filling in an Active Transform Margin: Santa Monica Basin, California Continental Borderland 4 1077
MANN, ROBERT see YOUNG 1 293
MANOOGIAN, PETER R. see MOODY 1 307
MARSHALL, JOHN F. Submarine Lithification on Windward Reef Slopes: Capricorn-Bunker Group, Southern Great Barrier Reef 3 953
MARTIN, JOSÉ M. see DABRIO 2 521
MARTIN, R. F. see OGUNYOMI 2 597
MATHIS, ROBERT L. see RADKE 4 1352
MAY, JAMES P. CHI(χ): A Proposed Standard Parameter for Settling Tube Analysis of Sediments 2 607
MAYER, LAWRENCE M. see ANDERSON 3 729
McCARLEY, ANN BOGGS Metamorphic Terrane Favored Over Rocky Mountains as Source of Claiborne Group, Eocene, Texas Coastal Plain 4 1267
McCLENNEN, CHARLES E. see TWICHELL 1 269
McLAREN, PATRICK An Interpretation of Trends in Grain Size Measures 2 611
McLEAN, HUGH Reservoir Properties of Submarine-Fan Facies: Great Valley Sequence, California 3 865
MEAGHER, T. D. see SEMENIUK 1 47
METZ, ROBERT Why Not Raindrop Impressions? 1 265

MILLIMAN, J. D. see ALEXANDERSSON 4 1309
MILLER, MARTIN C. Oscillation Ripples—Reply 2 678
MONROE, STEWART Late Oligocene-Early Miocene Facies and Lacustrine Sedimentation, Upper Ruby River Basin, Southwestern Montana 3 939
MOODY, JUDITH B. Long-Term Phosphorus Flux to Deep-Sea Sediments 1 307
MOOK, WILLIAM see ANDERSON 3 729
MUERDTER, DAVID R. An Interactive Computerized System for Grain Size Analysis of Silt Using Electro-Resistance 2 647
MULHERN, P. J. A Technique for the Magnetic Separation of Silt-Sized Sediments .. 2 672
MULLINS, HENRY T. Modern Deep-Water Coral Mounds North of Little Bahama Bank: Criteria for Recognition of Deep-Water Coral Bioherms in the Rock Record 3 999

NASH, W. P. see TREVENA 1 137
NEWTON, CATHRYN R. see MULLINS 3 999
NISSENBAUM, ARIE see GARBER 2 455
NODINE-ZELLER, DORIS E. Paleozoic Foraminiferids: SEPM Research Group State-Of-The-Art Summary 2 683

OLAUSSEN, SNORRE Formation of Celestite in the Wenlock, Oslo Region Norway—Evidence for Evaporitic Depositional Environments 1 37
OLDERSHAW, ALAN see WONG 2 507
OGUNYOMI, O. Albite of Secondary Origin in Charny Sandstones, Québec: A Re-Evaluation 2 597

PARK, YONG AHN Detrital Mica: Environmental Significance of Roundness and Grain Surface Textures 1 113
PICKERING, KEVIN T. Two Types of Outer Fan Lobe Sequence, From the Late Precambrian Kongsfjord Formation Submarine Fan, Finnmark, North Norway 4 1277
PIERCE, J. W. Use and Misuses of the ϕ-Scale: Discussion 4 1348
PILKEY, ORRIN H., JR. see PARK 1 113
PILKEY, ORRIN H., JR. JSP and the Figure Problem 1 321
PILKEY, ORRIN H., JR. JSP Paper Length: How We Compare 2 693
PILKEY, ORRIN H., JR. JSP and the Principal Sedimentology Journals 3 1044
PERSHOUSE, JONATHAN R. see BONEM 2 654
PETHICK, J. S. Long-Term Accretion Rates on Tidal Salt Marshes 2 571
PLUMMER, P. S. Shrinkage Cracks: Desiccation or Synaeresis? 4 1147
POLLASTRO, RICHARD M. Authigenic Kaolinite and Associated Pyrite in Chalk of the Cretaceous Niobrara Formation, Eastern Colorado 2 553

RADKE, BRUCE M. On the Formation and Occurrence of Saddle Dolomite—Reply .. 4 1352
RAO, C. PRASADA Criteria for Recognition of Cold-Water Carbonate Sedimentation: Berriedale Limestone (Lower Permian), Tasmania, Australia 2 491
RATNIKOVA, G. I. see ILYIN 4 1215
RAY, P. K. see KOLLA 2 563
RENDIGS, R. R. see BOTHNER 1 281
RETTKE, ROBERT C. Probable Burial Diagenetic and Provenance Effects on Dakota Group Clay Mineralogy, Denver Basin 2 541
RHODES, E. G. Reef Coring Techniques, Great Barrier Reef 2 650
RIDING, ROBERT Paleosols and Tidal-Flat/Lagoon Sequences on a Carboniferous Carbonate Shelf: Sedimentary Associations of Triple Disconformities 4 1323
RIGLER, J. K. A High Precision, Digital-Recording Sedimentation Tower for Sands .. 2 642
RINE, JAMES M. see CREVELLO 2 658
RISK, MICHAEL J. see YEO 1 245
ROBINSON, F. see KOLLA 2 563
RUSSELL, M. Origin of Chert Grains and a Halite-Silcrete Bed in the Cambrian and Ordovician Whitehall Formation of Eastern New York State 1 69
RUSSELL, R. DANA SEPM—The First Fifty Years 4 1401
RUST, BRIAN R. Fossil Transverse Ribs in Holocene Alluvial Fan Deposits, Depot Creek, South Australia 2 441

RUST, BRIAN R. Sedimentation in an Arid-Zone Anastomosing Fluvial System 3 745
RYAN, DALE E. Cathodoluminescence of Detrital Sands: A Technique for Rapid Determination of the Light Minerals of Detrital Sands 2 669

SAWATSKY, L. H. see ENOS 3 961
SALLENGER, ASBURY H., JR. Swash Mark and Grain Flow 1 261
SARG, J. FREDERICK Petrology of the Carbonate-Evaporite Facies Transition of the Seven Rivers Formation (Guadalupian, Permian), Southeast New Mexico 1 73
SCHMITT, JAMES G. Patterns of Silicification in Permian Pelecypods and Brachiopods from Wyoming 4 1297
SCHNEIDER, JÜRGEN see GOLUBIC 2 475
SCHREIBER, B. CHARLOTTE Spring Peas from New York State: Nucleation and Growth of Fresh Water Hollow Ooliths and Pisoliths 4 1341
SCHREIBER, B. CHARLOTTE see GORNITZ 3 787
SCHREIBER, EDWARD see SCHREIBER 4 1341
SELLARS, BARBARA see ESLINGER 1 203
SEMENIUK, V. Calcrete in Quaternary Coastal Dunes in Southwestern Australia: A Capillary-Rise Phenomenon Associated with Plants 1 47
SHAW, BRIAN Computer Technology: SEPM Research Group State-Of-The-Art Summary 2 682
SHINN, E. A. Editorial: Make the Last Slide First 1 1
SIBLEY, DUNCAN F. see BUXTON 1 19
SMITH, DENYS see SCHREIBER 4 1341
SMITH, GERALD R. see SWIRYDCZUK 4 1205
SOUTHARD, JOHN B. see COSTELLO 3 849
SPIKER, E. C. see BOTHNER 1 281
SQUIRES, RICHARD L. A Transitional Alluvial to Marine Sequence: The Eocene Llajas Formation, Southern California 3 923
STANLEY, RICHARD G. Middle Jurassic Shoaling of the Central High Atlas Sea Near Rich, Morocco 3 895
STEELE, GEORGE see MUERDTER 2 647
STEIDTMANN, JAMES R. see GOODWIN 1 129
SUTTNER, LEE J. see JAMES 1 151
SUTTNER, LEE J. Climate and the Origin of Quartz Arenites 4 1235
SWIFT, DONALD J. P. see YOUNG 1 293
SWINBANKS, DAVID D. Sediment Reworking and the Biogenic Formation of Clay Laminae by *Abarenicola Pacifica* 4 1137
SWIRYDCZUK, KRYSTYNA Synsedimentary Lacustrine Phosphorites from the Pliocene Glenns Ferry Formation of Southwestern Idaho 4 1205
SYVITSKI, JAMES P. M. A Revaluation of the Geologic Phenomenon of Sand Flotation: A Field and Experimental Approach 4 1315
SZABO, JOHN P. see RYAN 2 669

TENER, RUTH CASSIDY see RUSSELL 4 1401
THEAKSTONE, WILFRED H. Concretions in Glacial Sediments at Seglvatnet, Norway 1 191
THORNTON, S. E. see MALOUTA 4 1077
TOTTEN, MATTHEW W. see BLATT 4 1259
TREVENA, ARTHUR S. An Electron Microprobe Study of Detrital Feldspar 1 137
TUCKER, ROGER M. Giant Polygons in the Triassic Salt of Cheshire, England: A Thermal Contraction Model for Their Origin 3 779
TWICHELL, DAVID C. Morphology and Processes Associated with the Accumulation of the Fine-Grained Sediment Deposit on the Southern New England Shelf 1 269

VANBUREN, H. MARK see MULLINS 3 999
VAN EVERDINGEN, DAVID A. see SYVITSKI 4 1315
VAN HOUTEN, F. B. Sedimentologic Framework of Late Devonian Oolitic Iron Formation, Shatti Valley, West-Central Libya 2 415
VEIZER, JÁN see BRAND 3 987

VICARS, ROBERT G. Sedimentary Facies in Air-Fall Pyroclastic Debris, Arikaree Group (Miocene), Northwest Nebraska, U.S.A. 3 909
VIDETICH, PATRICIA E. A Method for Analyzing Dolomite for Stable Isotopic Composition 2 661

WANLESS, HAROLD ROGERS Hydrodynamics of Carbonate Fecal Pellets 1 27
WANLESS, HAROLD ROGERS Fining-Upwards Sedimentary Sequences Generated in Seagrass Beds 2 445
WATLING, LES E. see ANDERSON 3 729
WEFER, GEROLD Stable Isotope Composition of Benthic Calcareous Algae from Bermuda 2 459
WELLS, JOHN T. Physical Processes and Fine-Grained Sediment Dynamics, Coast of Surinam, South America 4 1053
WELLS, JOHN T. Periodic Mudflat Progradation, Northeastern Coast of South America: A Hypothesis 4 1069
WILCOX, MARTIN see PILKEY 3 1044
WILKINSON, BRUCE H. see SWIRYDCZUK 4 1205
WILLIAMS, S. J. see RIGLER 2 642
WONG, P. K. Burial Cementation in the Devonian, Kaybob Reef Complex, Alberta, Canada 2 507
WORSLEY, THOMAS R. see MOODY 1 307
WRIGHT, V. PAUL Algal Aragonite-Encrusted Pisoids from a Lower Carboniferous Schizohaline Lagoon 2 479
WRIGHT, V. PAUL see RIDING 4 1323

YEO, ROSS K. The Sedimentology, Stratigraphy, and Preservation of Intertidal Deposits in the Minas Basin System, Bay of Fundy 1 245
YOUNG, ROBERT A. Temporal Variability of Suspended Particulate Concentrations in the New York Bight 1 293

ZENGER, D. H. On the Formation and Occurrence of Saddle Dolomite—Discussion .. 4 1350

SUBJECT INDEX TO VOLUME 51

Accretion rates, salt marsh 2 571
Alabama, Pottsville Formation 3 799
Alberta, burial cementation 2 507
Albite, secondary 2 597
Algal pisoids 2 479
Alluvial bars 1 129
Alluvial to marine sequence 3 923
Anastomosing fluvial system, sedimentation 3 745
Arabian Sea sediments 2 563
Australia, anastomosing fluvial system 3 745
Australia, calcrete 1 47
Australia, subglacial channel 1 185
Australia, submarine lithification 3 953
Australia, transverse ribs 2 441
Authigenic kaolinite, chalk 2 533

Bahama, bioherms, deep water 3 999
Bar, convex 1 129
Barge, vibracoring 2 656
Basin filling, rates 4 1077
Bay of Fundy, intertidal deposits 1 245
Beach cusps 4 1157
Bedload, grain-size interpretation 4 1109
Bermuda, calcareous algae composition ... 2 459
Biogenic reworking, tidal flats 4 1137
Bioherms, coral, deep water 3 999
Brachiopods, silicification 4 1297
British Columbia, tidal flats 4 1137
Burial cementation, Kaybob Reef 2 507
Burial diagenesis, clays 2 541

Calcareous algae, isotopic composition ... 2 459
Calcrete, coastal dunes 1 47
Calculator program, texture 2 641
Calibration, settling tube 2 644
California, fan reservoir properties 3 865
California, Llajas Formation 3 923
California, Miocene shoreline 1 165

Carbonate diagenesis, burial 2 507
Carbonate shelf, Carboniferous 4 1323
Carbonate pore networks 3 961
Carbonate sediment production, foraminifera 2 467
Cathodoluminescence, light mineralogy technique 2 669
Celestite, Lower Paleozoic 1 37
Cement, intragranular, *Halimeda* 4 1309
Channel deposits, muddy 4 1169
Channel, subglacial, Permian 1 185
Chemical diagenesis, carbonate system ... 3 987
Chertification and dedolomite 3 795
Chert, silcrete origin 1 69
Citation analysis, sedimentology, journals . 3 1044
Claiborne Group, source 4 1267
Classification, geochemical, environments . 2 359
Clastic depositional facies, Mississippian .. 4 1223
Clay mineral diagenesis 1 203
Clay mineral diagenesis 2 541
Clay minerals, Arabian Sea 2 563
Climate and quartz arenites 4 1235
Climatic comparison, feldspar alteration ... 1 151
Coals, marine versus fluvial 2 383
Coarsening-upward, beach cusps 4 1157
Coarse sand, flume experiments 3 849
Cold-water carbonate sedimentation 2 491
Colorado, Niobrara, chalk diagenesis 2 553
Computer technology, state-of-the-art summary 2 682
Concretions, glacial sediments 1 191
Convex bar, alluvial 1 129
Core impregnation 2 658
Corer, diver operated 2 653
Corer, underwater, portable 2 654
Coring, reef techniques 2 650
Creationism, editorial 3 701
Crinoid chertification 3 795

Dead Sea, halite hoppers 3 787
Dead Sea, ooids, aragonitic 2 455
Dedolomite and chertification 3 795
Dedolomitization 1 7
Deep margin basin filling 4 1077
Deep-sea fans, discussion-reply 3 1015
Deep-water coral mounds 3 999
Deep-water depositional mechanisms 3 879
Denver Basin, clay diagenesis 2 541
Depositional environments, Pottsville Formation 3 799
Desiccation, shrinkage cracks 4 1147
Diagenesis, burial, carbonate 2 507
Diagenesis, carbonate, pressure solution .. 1 19
Diagenesis, chemical, carbonate 3 987
Diagenetic trends, discussion-reply 2 679
Dipmeter, underwater 2 662
Dolomite, isotope analysis 2 661
Dunes, formation 1 101
Dunes, magnetic fabric 1 97

Editorial 2 351
Editorial, creationism 3 701
Editorial, sedimentologic training 2 355
Editorial, slides 1 1
Editorial, the golden goose 4 1051
Electro-resistance, silt analysis 2 647
England, Triassic salt polygons 3 779
Eolian sand stratification 2 579
Evaporite-carbonate facies 1 73
Evaporites, varved, formation and diagenesis 4 1193
Evaporitic celestite 1 37

Fabric, clay, marine 1 217
Fabric, magnetic, dune 1 97
Facies, depositional, Antler Basin 4 1223
Facies, lacustrine, Montana 3 939
Fan, submarine, reservoir properties 3 865
Fecal pellets 1 27
Feldspar, alteration 1 151
Feldspar, detrital 1 137
Field classification, discussion-reply 3 1031
Fine-grained sediment dynamics 4 1053
Fine sediment, dispersal 3 721
Fining-upward, seagrass beds 2 445
Flint clay, sedimentology 1 233
Floc, pump breakage 2 670
Florida, seagrass bed sediments 2 445
Flotation, sand 4 1315
Flume experiments, coarse sand 3 849
Fluvial, channel deposits 4 1169
Flux, phosphorous 1 307
Fraser Delta, sand flotation 4 1315
Fungus-bound quasi-sandstone 4 1133

Geochemical classification, environments . 2 359
Georgia, sea level stillstand 4 1287
Georgia, stream sand composition 4 1247
Gibbs equation, nonaqueous fluids 4 1125
Grain flow, swash 1 261
Grain size, hydraulic interpretation 4 1109
Grain size, intermittent suspended sediments 4 1103
Grain size measures 2 625
Grain size measures, trends 2 611
Great Barrier Reef, submarine lithification . 3 953

Halimeda, intragranular cement 4 1309
Halite, Dead Sea 3 787
History, SEPM, 50 years 4 1401
Hoppers, halite, displacive 3 787
Hydrodynamics, fecal pellets 1 27

Idaho, burial metamorphism of clays 1 203
Idaho, phosphorites, Pliocene 4 1205
Illite, formation from smectite 1 203
Indiana, Pennsylvanian sponge mat 1 197
Intellectual obsolescence, discussion 4 1347
Interpretation, grain size 2 611

Intertidal deposits, Bay of Fundy 1 245

JSP paper length 2 693

Kaolinite, authigenic, Niobrara Formation . 2 553

Lacustrine phosphorites, synsedimentary .. 4 1205
Lacustrine sediments, facies 3 939
Lacustrine sediments, Tertiary 2 429
Lake Superior, siliciclastic sediments 2 397
Light mineralogy, determination 2 669
Limestone, Middle Jurassic shoaling 3 895
Lithification, submarine, Great Barrier Reef 3 953
Lithobiontic ecological niches 2 475
Lower flow regime, flume 3 849
Luminoscope, magnification 2 667
Lybia, oolitic iron 2 415

Magnetic separation, silts 2 672
Maine, mudflat evolution 3 729
Mangrove, mudflat stabilization 4 1069
Marine versus fluvial coals 2 383
Meander, channel deposits 4 1169
Mg-calcite, intragranular cement 4 1309
Mica, roundness 1 113
Michigan, pressure solution features 1 19
Mineralogy, stream sand 4 1247
Mississippi Delta, clay fabric 1 217
Missouri, dedolomitization 1 7
Misuse, phi scale, discussion 4 1348
Modern sediment, New England Shelf 1 281
Moment measures, evaluation 2 625
Mongolia, phosphorite, primary 4 1215
Montana, lacustrine facies 3 939
Morocco, Middle Jurassic shoaling 3 895
Mudbank sedimentation, Surinam 4 1053
Mudflat, erosion and deposition 3 729
Mudflat, progradation 4 1069
Mud, New England Shelf 1 269
Mud, New England Shelf 1 281
Mudrock, detrital quartz 4 1259
Mudrock fabrics, discussion-reply 3 1027

Nebraska, pyroclastic facies 3 909
Nevada, Antler Basin 4 1223
New England Shelf, mud 1 269
New England Shelf, mud 1 281
New Jersey, shelf, suspended sediment ... 4 1097
New Mexico, carbonate-evaporite facies .. 1 73
New York Bight, suspended sediment 1 294
New York, silcrete 1 69
Níjar, coral reef, Messinian 2 527
Non-normal distribution, grain size 4 1103
North Dakota, lacustrine sediments 2 429
Norway, celestite 1 37
Norway, concretions, glacial 1 191
Norway, Late Precambrian, fan 4 1277

Ooids, aragonitic, Dead Sea 2 455
Ooliths, fresh water 4 1341
Oolitic iron, formation 2 415
Oscillation ripples, discussion-reply 2 677
Outer fan lobe sequence 4 1277
Outer shelf sedimentation, Cambrian 3 807

Packing, thin-section analysis 2 674
Padre Island, beach cusps 4 1157
Paleocurrents, Jurassic turbidites 3 873
Paleosols, Carboniferous 4 1323
Paleozoic foraminiferids, state-of-the-art summary 2 683
^{210}Pb, shelf mud 1 281
Pebbles, beach tracers 4 1163
Pelecypods, silicification 4 1297
Peru-Chile margin, sediments 3 705
Petrology, carbonate-evaporite 1 73
Phi scale, discussion 4 1348
Phosphorite, primary bedded 4 1215
Phosphorite, synsedimentary, lacustrine ... 4 1205
Phosphorous, deep-sea flux 1 307
Physical properties, margin sediments 3 705
Pisoids, algal 2 479
Pisoliths, fresh water 4 1341
Polygons, giant, salt, Triassic 3 779
Pool and riffle sediments 3 757
Pore networks, Holocene carbonates 3 961
Pressure solution features 1 19
Primary phosphorite, bedded 4 1215
Production, carbonate sediments, foraminifera 2 467
Pyroclastic debris facies 3 909

Quartz arenites, origin 4 1235
Quartz, distance indicator 4 1259
Quartz grains, settling velocity 2 631
Quasi-sandstone, fungus-bound 4 1133
Québec, albite, sandstones 2 597

Raindrop impressions 1 265
Recognition criteria, cold-water carbonates 2 491
Reef, coral Níjar 2 521
Reef productivity, foraminifera 2 467
Research-methods paper format 2 641
Reservoir properties, submarine fan 3 865
Ribs, transverse, alluvial 2 441
Riffle and pool sediments 3 757

Sabkha, coastal 3 761
Saddle dolomite, discussion-reply 4 1350
Salt marsh, accretion 2 571
Salt pan deposition 3 761
Salt polygons, Triassic, England 3 779
Sandstones, secondary albite 2 597
Sandstone, tidal deposition 2 367
Santa Monica Basin, filling 4 1077
Seagrass beds, sedimentary sequences 2 445
Sea level stillstand 4 1287
Seasonal changes, mudflat 3 729
Sedimentary structures, storm generation .. 3 823